

In the Abstract:

Please replace the Abstract with the following new Abstract:

ABSTRACT

An optoelectronic module. The module includes a substrate defining a stepped upper surface having a lower portion and an upper portion, the substrate being configured such that a lower surface thereof determines a footprint of the module. The module also includes a thermo-electric cooler disposed on the lower portion of the stepped surface of the substrate and having a top portion including a flat top surface which makes up an entire top surface of the top portion and being substantially parallel to the lower surface of the substrate. A laser light source is disposed on the flat top surface such that the thermo-electric cooler is disposed between the substrate and the laser light source. The thermo-electric cooler is thermally coupled to the laser light source to cool the same. An electrical connection extends from the upper portion of the upper surface of the substrate to the laser light source.